



1723

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Atty Dkt. 1769-94

SCHUYLER et al

C# M#
Group Art Unit: 1723

Serial No. 09/988,222

Examiner: Ocampo

Filed: November 19, 2001

Date: May 5, 2003

Title: LENGTH-ADJUSTABLE FILTER CARTRIDGES

RECEIVED
MAY 07 2003
GROUP 1700Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

RESPONSE/AMENDMENT/LETTER

This is a response/amendment/letter in the above-identified application and includes an attachment which is hereby incorporated by reference and the signature below serves as the signature to the attachment in the absence of any other signature thereon.

☐ **Correspondence Address Indication Form Attached.****Fees are attached as calculated below:**

Total effective claims after amendment **28** minus highest number
previously paid for **39** (at least 20) = 0 x \$ 18.00 \$ 0.00

Independent claims after amendment **2** minus highest number
previously paid for **3** (at least 3) = 0 x \$ 84.00 \$ 0.00

If proper multiple dependent claims now added for first time, add \$280.00 (ignore improper) \$ 0.00

Petition is hereby made to extend the current due date so as to cover the filing date of this
paper and attachment(s) (\$110.00/1 month; \$410.00/2 months; \$930.00/3 months) \$ 0.00

Terminal disclaimer enclosed, add \$ 110.00 \$ 0.00

☐ First/second submission after Final Rejection pursuant to 37 CFR 1.129(a) (\$750.00) \$ 0.00

☐ Please enter the previously unentered , filed

☐ Submission attached

Subtotal \$ 0.00

If "small entity," then enter half (1/2) of subtotal and subtract -\$ 0.00

☐ Applicant claims "small entity" status. ☐ Statement filed herewith

Rule 56 Information Disclosure Statement Filing Fee (\$180.00) \$ 0.00

Assignment Recording Fee (\$40.00) \$ 0.00

Other: 0.00

TOTAL FEE ENCLOSED \$ 0.00

The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Account No. 14-1140. A duplicate copy of this sheet is attached.

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By Atty: Bryan H. Davidson, Reg. No. 30,251Signature: 



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#7 Amct, A
5/13/03
J. Butler
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MAY 07 2003

In re Patent Application of

Charles C. SCHUYLER

Atty. Ref.: 1769-94

GROUP 1700

Serial No. 09/988,222

Group: 1723

Filed: November 19, 2001

Examiner: Ocampo

For: **LENGTH-ADJUSTABLE FILTER CARTRIDGES**

* * * * *

May 5, 2003

Honorable Commissioner of Patents
and Trademarks
Washington, DC 20231

AMENDMENT

Sir:

Responsive to the Official Action dated February 4, 2003, please amend the above-identified application as follows:

IN THE SPECIFICATION¹

Please change the paragraph appearing on page 6, lines 19-26 to read as follows:

As is perhaps more clearly seen in FIGURE 3, the bottom end cap 118 most preferably includes an arcuate central wall 118-1

¹ Pursuant to Rule 121(b), a marked-up version of the affected specification paragraph(s) appears in Appendix I hereto and shows all changes by underlining added language and bracketing deleted language.

A1
which protrudes into the interior cartridge space 116 and a series of integral radial support ribs 118-2. The arcuate central wall 118-1 and support ribs 118-2 collectively serve to enhance the structural integrity of the filter cartridge body 112 at its lower end so that it may withstand the inlet pressures P1 associated with the inlet fluid entering the interior cartridge space 116.

Please change the paragraph appearing on page 11, line 27 through page 12, line 11 to read as follows:

A2
Virtually any filtration media conventionally employed to filter fluids may be employed as the filtration media in the filter cartridges according to the present invention. Thus, for example, the filtration media may be comprised of a non-woven mass of melt-blown polymeric fibers formed, for example, from thermoplastic polymers, preferably polyolefins such as polypropylene, polyethylene and the like. Especially preferred filter media for filter cartridges are those as described more fully in commonly owned U.S. Patent Nos. 5,591,335 and 6,342,283, the entire content of each being expressly incorporated hereinto by reference. Alternatively (or additionally) the filter media may be comprised of pleated sheets of non-woven or woven filter materials which are, in and of themselves, highly conventional in the fluid filtration art.

IN THE CLAIMS

Please amend the pending claims herein as follows:²

- A3
1. (Amended) A filter cartridge comprising:
a generally cylindrical filter body having a fluid-filtration media, and
at least one length-adjustable end cap attached to an end of said filter body, wherein

² Pursuant to Rule 121(c), a marked-up version of the amended claims appears in Appendix II hereto and shows all changes by underlining added language and bracketing deleted language.